

Andersen

COMPLETE • WINDOW • UNITS

CASEMENT
WINDOWS

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NARROLINE
DOUBLE HUNG
WINDOWS

•

BASEMENT
WINDOWS

•

Andersen

CORPORATION
BAYPORT, MINN.



ANDERSEN CASEMENT WINDOW

A Complete Unit Including

FRAME • SASH • HARDWARE • SCREEN • DOUBLE GLASS
WEATHER STRIPPED • FACTORY FITTED • TREATED

THE ANDERSEN CASEMENT is an improved wood casement window that successfully combines the advantages of weathertight wood construction with the beauty of modern, narrow line design. It harmonizes pleasingly with all types of architecture and gives added charm and value to any building in which it is used.

Effective weatherstripping, double glazing, and leak-proof frame construction make the Andersen Casement Window exceptionally leakproof and weathertight and **especially suited to the requirements of air conditioning** and gas or electric heat.

Now you can have the full benefit of casement ventilation without any of the usual drawbacks. The Andersen Casement is convenient and easy to operate. It is exceptionally weathertight. It is simple in construction and easy to install. It is well proportioned and unusually attractive in appearance.

In no other casement, wood or metal, will you find all these distinctive features. It will pay you to examine them.

LEAKPROOF FRAME—Made of clear Pine, chemically preserved, with the Andersen Leakproof Locked Sill Joint, weathertight wide blind stop and mortar clinch grooves. Narrow mullion posts, transom bar and exterior moulding provide modern lines and permit large glass area. Standard design is suitable for all types of wall construction and any kind of interior and exterior wall finish.

Inside wood stops, mullion casings, and transom bar casings of pine or hardwoods are included.

IMPROVED SASH—New design prevents sticking or binding and provides two point contact. Factory fitted and glazed with either DSA or SSA labeled glass. Made of clear Pine chemically preserved, with exposed end wood eliminated by improved reinforced joints. Dividing or muntin bars are either solid aluminum (Style A), which are easy to clean and require no finishing, or attractively designed wood (Style W). Sash with horizontal muntin bars only or with special leaded glass panels can be furnished on order.

WEATHERTIGHT—Spring phosphor bronze weatherstrips insure a tight seal under most severe weather conditions. This improved weatherstrip is an outstanding development in casement construction.

Infiltration tests made at the University of Wisconsin show an air leakage of only 4.6 cubic feet per hour per foot of sash perimeter with a wind velocity of 15 miles per hour.

The American Society of Heating and Ventilating Engineers in a recent bulletin reports an infiltration of

16 cubic feet for the average weatherstripped double hung window under the same conditions. Note also how the above figure compares with similar tests made on other casements as reported in the 1936 Guide of the Society.

COMPLETE HARDWARE—New . . . improved design. Easy to install. Includes:

Extension Hinges—Cadmium plated steel with brass bearings.

Under Screen Sash Operators—Choice of two designs. Illustrated on page 2.

Worm Gear Type—With solid bronze housing and handle.

Bar Type—Steel, bronze finish over cadmium plating.

Locking Latch—Solid bronze handle. Closes sash tightly; locks it securely. Independent of screen. Automatic ejection of sash insures easy opening.

Hardware with all parts made of solid bronze can be furnished on special order.

INSIDE SCREEN—Fitted and ready to slip in place with spring bolt fasteners attached. Solid aluminum frame with 16 mesh aluminum wire cloth or wood frame (Pine) with 16 mesh bronze wire.

REMOVABLE DOUBLE GLAZING—Fits on the inside of the sash. Has an aluminum frame and spring bronze seal. Glazed with DSA labeled glass. Easily and quickly slipped in place or removed from the inside. May be left in place the year round. Reduces heat loss by radiation 60 per cent. *Controls condensation.* Particularly suited to meet the requirements of air conditioning both in winter and summer.

TREATED WOOD—All wood parts of frame and sash are protected against decay and termites with a tested chemical preservative recommended as one of the best available by wood treating authorities. The toxic agent used gives positive protection against termites and a high resistance to decay, rendering the treated wood exceptionally durable.

Protection against moisture during construction and before painting and added protection thereafter is provided by the addition of a Water Repellent Compound to the solution.

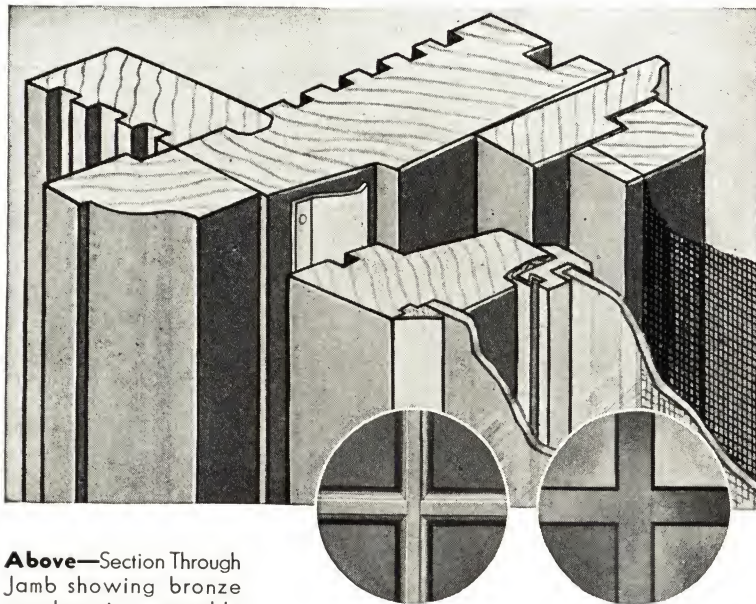
The wood is not discolored and any customary finish can be applied.

Complete technical information will be furnished on request.

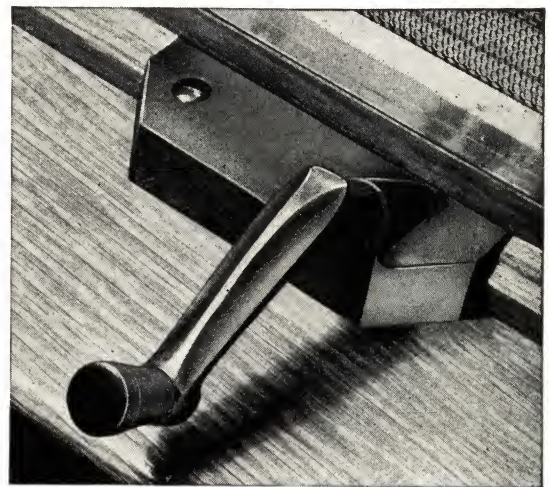
Andersen Corporation

ANDERSEN CASEMENT WINDOW

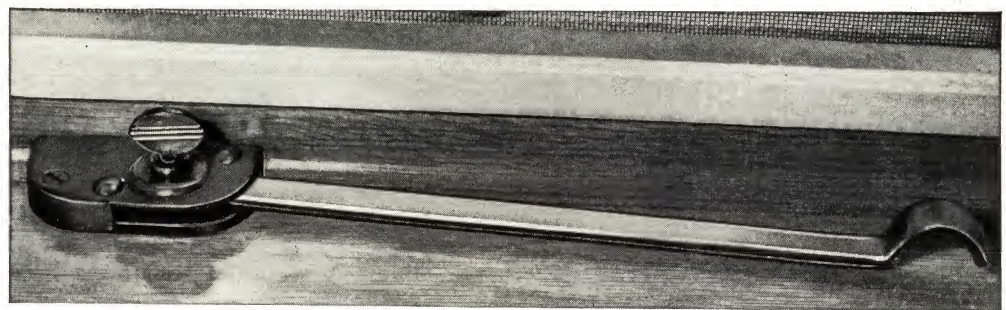
Outstanding Features



Above—Section Through Jamb showing bronze weatherstrip, removable double glazing on the inside of the sash, and wood frame screen. Note the special design of frame and sash that eliminates sticking and binding, also the anchor strip and mortar clinch grooves to insure weathertight joining with wall in either frame or masonry construction. Inserts in circles show, left, the wood muntin bar and, right, the aluminum muntin bar.



Worm Gear Sash Operator—Solid bronze handle and case. Adjusts and automatically locks sash in any position. Powerful and easy to operate. Independent of screen. Does not interfere with drapes, shades or Venetian Blinds. Note aluminum frame screen.



Bar Sash Operator—Bronze finish over cadmium plating. Works easily and smoothly. Holds sash securely in any position. A very satisfactory low priced operator. Note wood frame screen in this illustration.

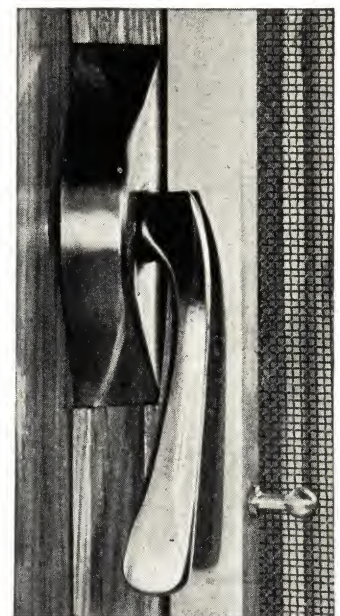


Left—the Double Glass is easily and quickly slipped in place or removed for cleaning. No tools are required.

Right—Extension Hinges permit the easy cleaning of outside glass from the inside.



Right—Sash Lock pulls the sash completely shut and locks it securely when closed without opening or removing the screen. Also forcibly ejects the sash when opened.



Nationally Distributed Through Lumber and Millwork Dealers

Andersen Corporation

ANDERSEN CASEMENT WINDOW *Typical Installations*

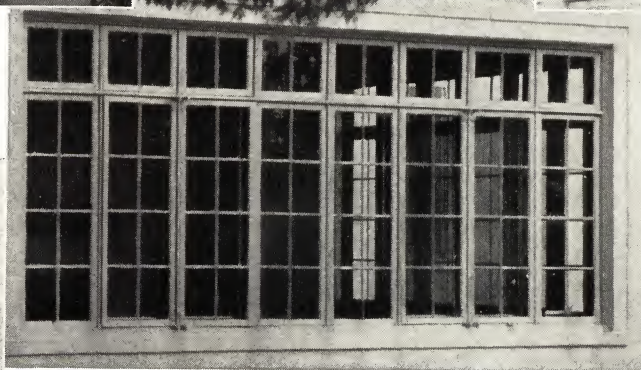


Above—Leaded Glass Panels in stock units in place of regular glass layout. The radial bay at left is standard construction, see detail on page 9.



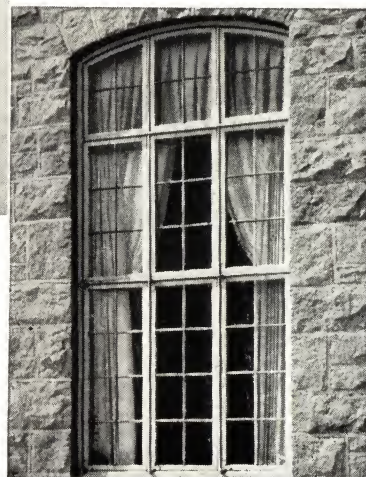
Above—Typical radial bay. Horizontal bars are standard.

Below—A gable end living room window, unit 6538.



Above—Typical Angle bay. Stock units 8446 and 2416.

Below—Studio window from stock units with special segment head.



Andersen Casements give added charm and beauty to the exterior of any home. They are well proportioned and graceful, yet sturdy in appearance. Note the effective use of stock size units in the typical installations on this page.

Andersen Corporation
ANDERSEN CASEMENT WINDOW
Typical Installations



Above—Colonial homes equipped with ANDERSEN Wood Casements retain the symmetrical beauty inherent in colonial design.

Below—ANDERSEN casements make ideal windows for apartments and public buildings.



Above—A typical corner window installation with stationary sash at the corner. See detail on page 9.



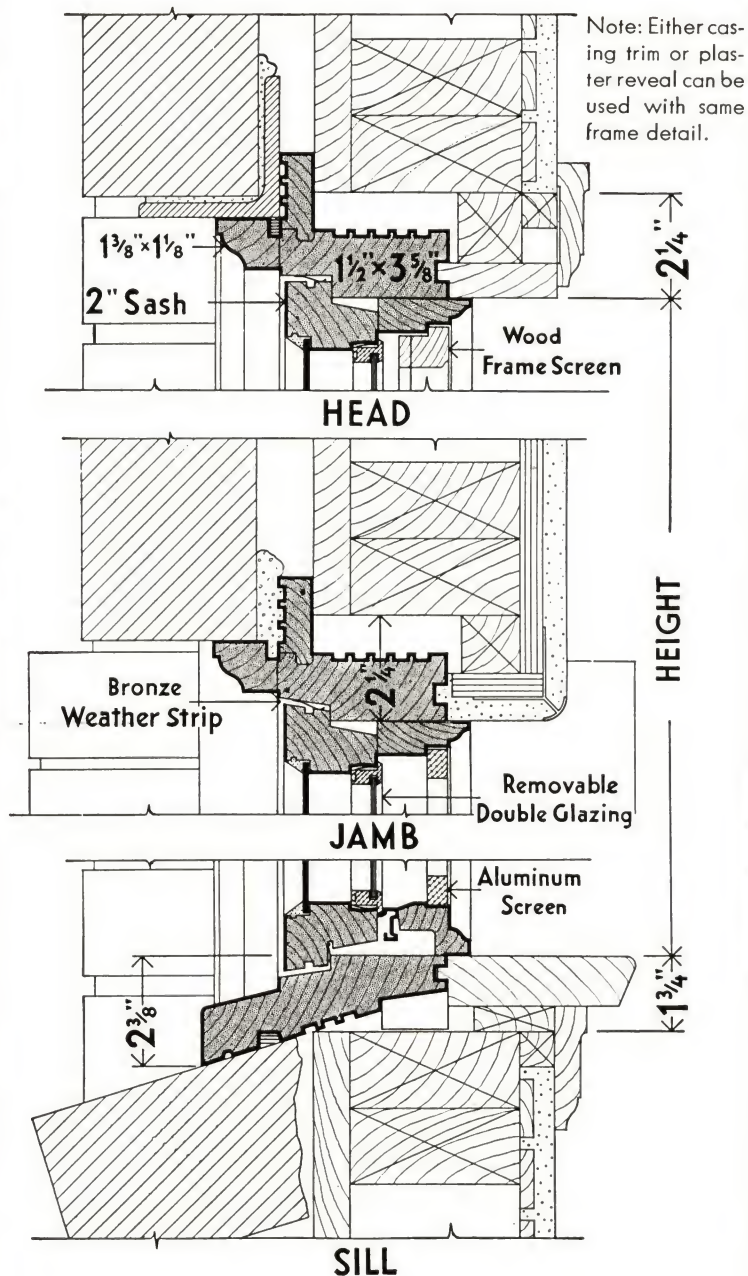
Above—Standard kitchen unit 4326 over double sink. For a wider opening use triple unit 6336. See page 10.

Nationally Distributed Through Lumber and Millwork Dealers

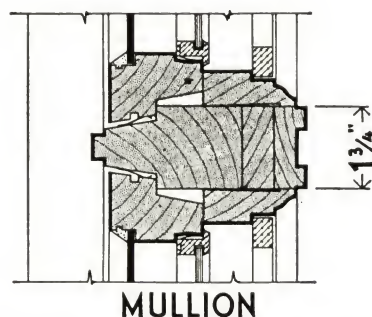
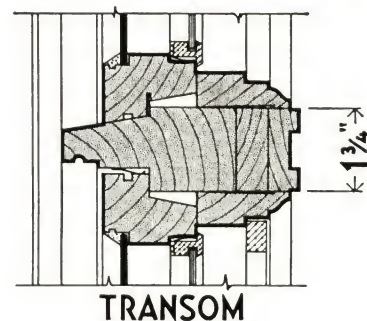
ANDERSEN CASEMENT WINDOW

Detail of Complete Unit

Brick veneer wall with wind break outside of sheathing



Scale—Three Inches Equal One Foot.
Patents Nos. 17,552,-1,648,712,-1,879,005,-2,003,982



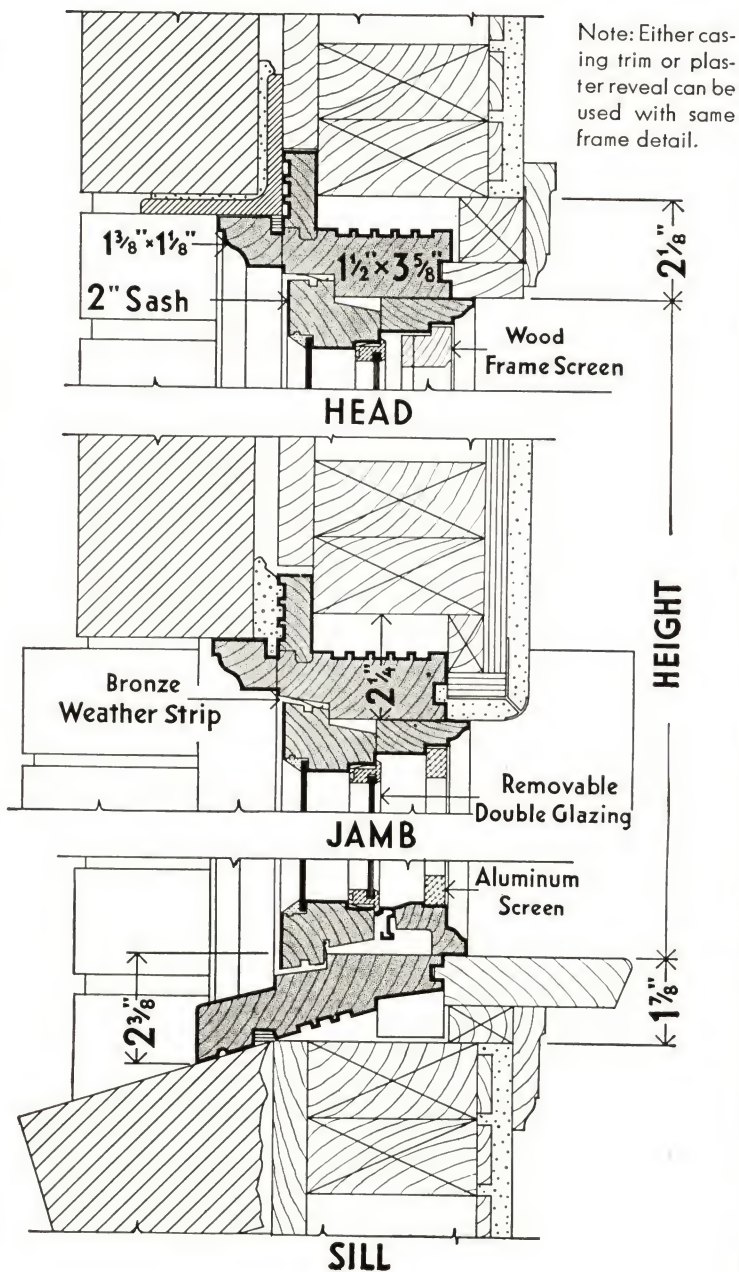
NOTES

1. See TABLE OF SIZES on page 10 for unit arrangements, sash sizes and opening sizes.
2. EXTERIOR Moulding—Any Andersen brick moulding or casing may be substituted for the brick moulding shown or units can be furnished without exterior moulding on special order. When no exterior moulding is ordered, specify length of sill horns required.
3. All inside finish stops, mullion and transom inside casing as shown on this detail are furnished as part of the unit. These parts are furnished in clear Pine unless otherwise specified. These can be furnished in other woods at an extra charge.
4. Finish moulding with screen rabbet shown in sill detail is for swinging sash only. For stationary sash the same moulding as shown at head and jamb is used at the sill.
5. BRONZE WEATHERSTRIP as shown is furnished for all openings, applied to the head and sides of the frame and the bottom rail of the sash.
6. For full size details or details showing adaptation of standard unit to special requirements, see local millwork dealer or write Andersen Corporation, Bayport, Minn.

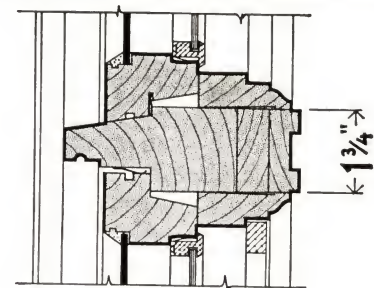
ANDERSEN CASEMENT WINDOW

Detail of Complete Unit

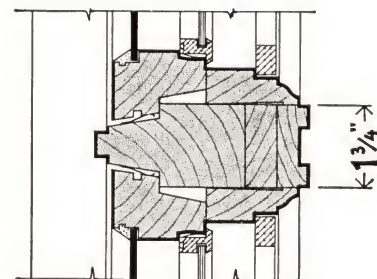
Brick veneer wall with wind break flush with sheathing



Scale—Three Inches Equal One Foot.
Patents Nos. 17,552,-1,648,712,-1,879,005,-2,003,982



TRANSOM



MULLION

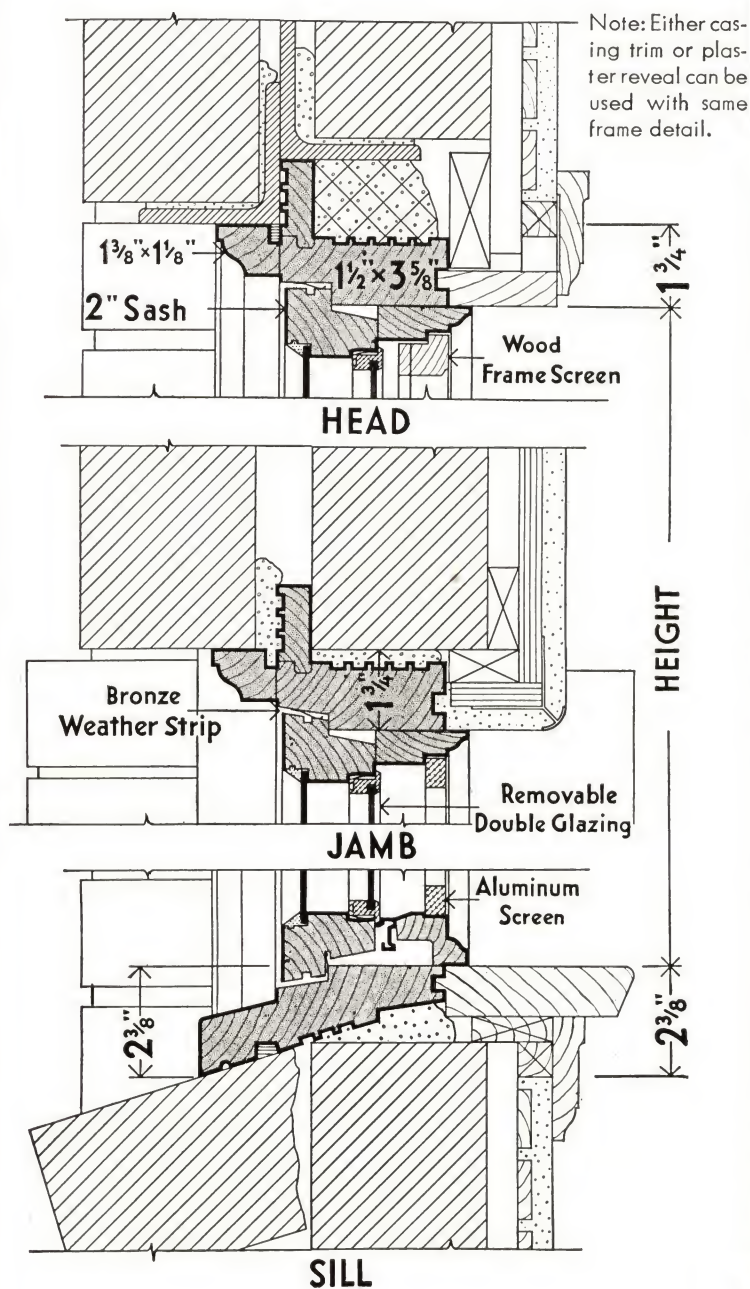
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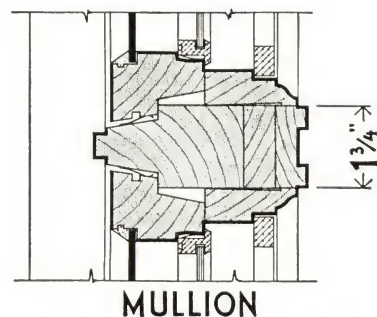
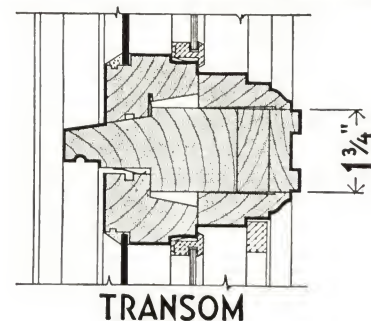
ANDERSEN CASEMENT WINDOW

Detail of Complete Unit

Solid masonry wall—standard 8" wall—Detail similar for thicker wall



Scale—Three Inches Equal One Foot.
Patents Nos. 17,552,-1,648,712,-1,879,005,-2,003,982



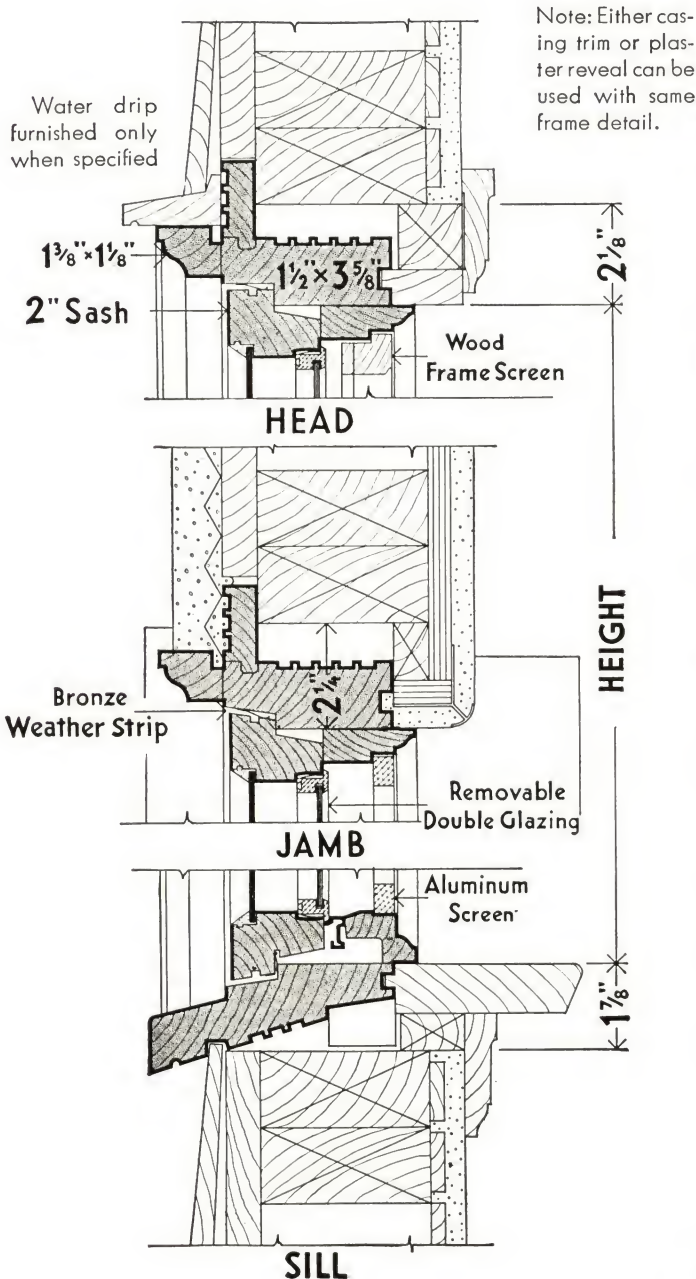
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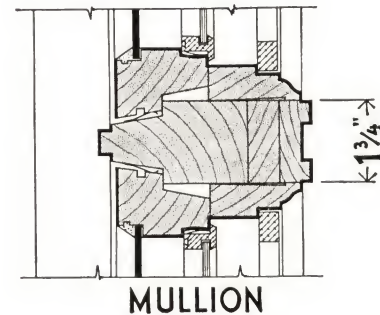
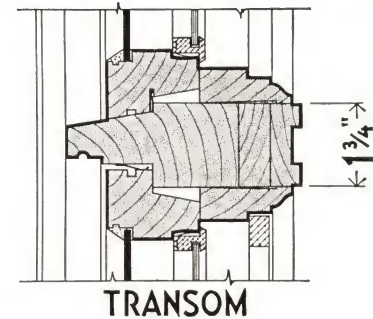
ANDERSEN CASEMENT WINDOW

Detail of Complete Unit

Frame wall construction with wood siding or stucco



Note: Either casing trim or plaster reveal can be used with same frame detail.



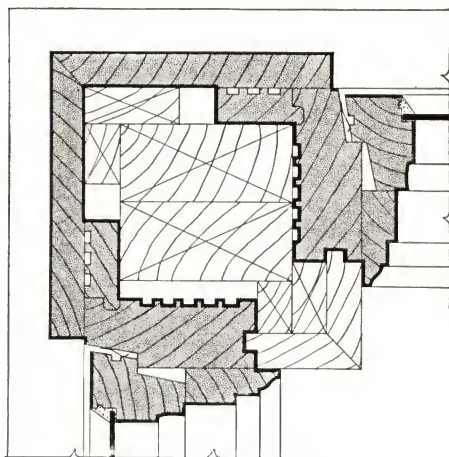
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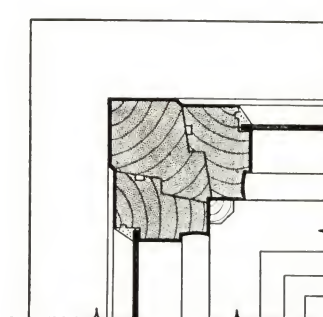
Scale—Three Inches Equal One Foot.
Patents Nos. 17,552,-1,648,712,-1,879,005,-2,003,982

ANDERSEN CASEMENT WINDOW

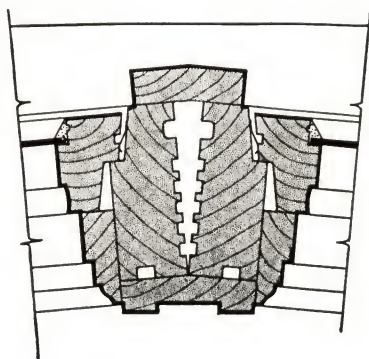
Special Adaptations



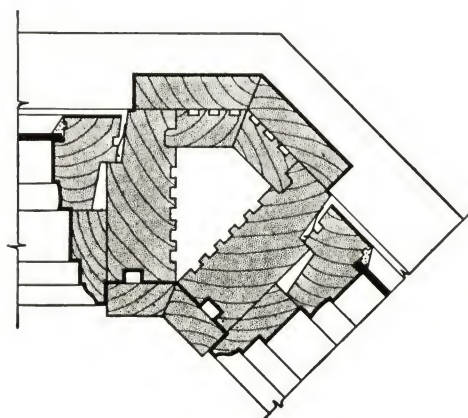
CORNER WINDOW DETAIL NO. 1, 1/4 SCALE—Showing typical corner section for use where support is required above. Angle iron or I beam can be used in place of 2x4's. Exterior casings may be of metal or wood. Sash may be swinging or stationary.



CORNER WINDOW DETAIL NO. 2, 1/4 SCALE—Used where load bearing members are not required at corner. Has special corner mullion post with stationary sash next to corner. Three inches between glass. The rest of casement unit is same as standard detail shown on page 3.



RADIAL BAY WINDOW DETAIL, 1/4 SCALE—Showing section through mullion between sash, using standard straight sash with outside edge of sill and head staff bead cut to any radius. Furnished only on special order.



ANGLE BAY DETAIL, 1/4 SCALE—Showing section through typical angle mullion. All parts are standard stock design and construction except the exterior casing. The inside casing is not furnished as part of the unit.

Masonry Opening
 Moulding 2" wide
 Masonry Opening
 Moulding 1 1/2" wide
 Rough Studding
 Opening
 Sash Opening

19"	23 1/2"	3'-7"	4'-2 1/2"	6'-10 1/2"	8'-6 1/2"
17 1/2"	21 1/2"	3'-5 1/2"	4'-1"	6'-8 1/2"	8'-4 1/2"
18 1/2"	22 1/2"	3'-6 1/2"	4'-2"	6'-9 1/2"	8'-5 1/2"
13 1/2"	18"	3'-1 1/2"	4'-9 1/2"	6'-5 1/2"	8'-1"

1212	2214	4224	6234	8244	10254
1313	2316	4326	6336	8346	10356
1414	2418	4428	6438	8448	10458
1515	25110	45210	65310	85410	105510
1413	2416	4426	6436	8446	10456
1514	2518	4528	6538	8548	10558
1513	2516	4526	6536	8546	10556
1614	2618	4628	6638	8648	10658
26110	46210	66310	86410	106510	
27110	47210	67310	87410	107510	

4214	6224
4316	6326
4418	6428
45110	65210

CH-1
 CH-2
 CH-4
 CH-6

Circle top transom units can be used above any square head unit of same width. Standard transom bar is used between square head sash and circle sash.
 CH-2 is furnished with standard aluminum or wooden muntin bar as specified. CH-4, CH-6 and CH-8 are furnished with zinc muntins.

NOTES

- Mullion posts between all sash. No pairs of sash without mullion centers furnished.
- Glass size 8"x12" standard including side light units. One light wide units have 12"x12" glass.
- Sash layout shown is standard. Same units with horizontal muntin bars only can be furnished when so specified. Sash can also be furnished with leaded glass of any design instead of with muntin bars.
- Main sash may be either swinging or stationary. All swinging sash open out and may be hinged to swing either right or left. When ordering specify how many swinging sash in each unit and whether hinges are to be on right or left side looking in from outside.
- All sizes shown are standard. Wider or higher units using standard sash can be furnished on order.

ANDERSEN NARROLINE WINDOW

A Complete Double Hung Unit

The Andersen NARROLINE Double Hung Window is furnished as a complete double hung window with modern narrow mullions and casings, yet it retains the time-tested counterbalancing principle to insure dependable and trouble-free sash operation throughout the life of the building. It is effectively weatherstripped and is exceptionally leakproof and weathertight.

CONSTRUCTION FEATURES

FRAME—A leakproof Andersen Master Frame of improved design. See detail on page 13. All parts of the frame are treated with a chemical preservative and water repellent compound, the same as the Casement Window Unit as described on page 1 under the heading "Treated Wood."

COUNTERBALANCING EQUIPMENT—After experiments with many different devices for operating the sash, the time tested principle of counterbalancing weights has been retained. A specially designed flat weight with a pulley wheel permits the use of only one weight on each side in place of two. Standard equipment includes weights, sash chain cut to length and with fasteners attached and Andersen Noiseless Pulleys. The sash chain has short, heavy links especially designed for quiet operation. Tests have proved that dependable and trouble-free sash operation is assured for more than an ordinary lifetime.

FITTED SASH AND SCREENS—The NARROLINE Unit takes standard double hung sash, screens, and storm sash customarily furnished by millwork dealers. These can be obtained completely fitted and ready to install.

HARDWARE—Storm sash and screen hardware is optional equipment and includes the Andersen Automatic Storm Sash Operator,

hangers for both storm sash and screens and hooks for the screen. Any standard type of hardware can also be used.

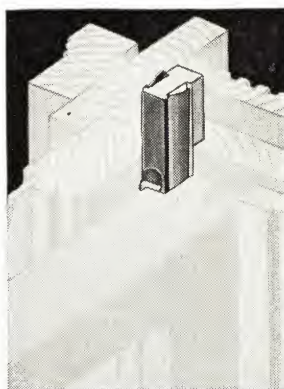
EASY TO INSTALL—The NARROLINE is simple in design and construction and is exceptionally easy to assemble and install.

WEATHERSTRIPS—The NARROLINE Window Unit is completely weatherstripped at the sides, head, check rail and bottom rail with Andersen Bronze Weatherstrips. A standard test made in July, 1935 at the University of Wisconsin by D. W. Nelson, Engineer in charge of Air Leakage Tests, shows that Andersen Weatherstrips for double hung windows reduce air leakage 86.2%.

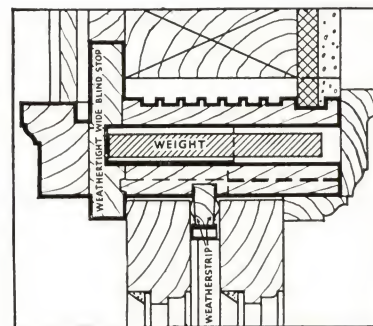
Comparative figures for air leakage in cubic feet per hour per foot of sash perimeter with a wind velocity of 15 miles per hour are as follows:

	Cubic Feet
Unweatherstripped window.....	51.5
Same with Andersen Weatherstrips.....	7.1
*Average for weatherstripped double hung windows....	16.0

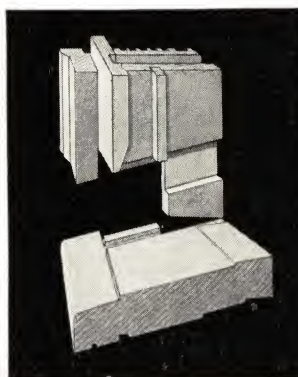
*From the Journal of American Society of Heating & Ventilating Engineers.



Andersen Weatherstripped Parting Stop in side jamb showing spring bronze metal on wood stop and bronze check rail block.



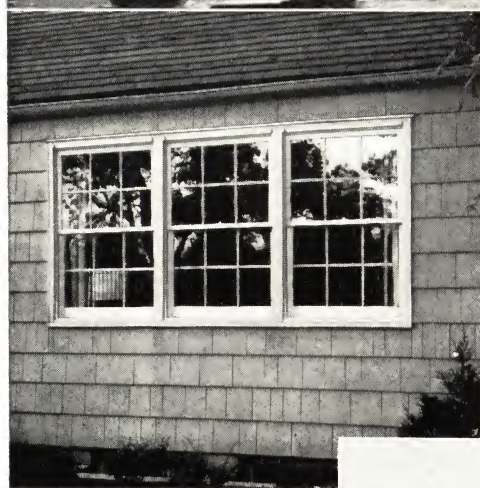
Inside casing can be as narrow as 2½ inches. Exterior moulding is suitable for siding, stucco or brick. Any other moulding or casing can be substituted.



The famous ANDERSEN LEAKPROOF LOCKED SILL JOINT with steep sill slope.



Andersen Corporation
ANDERSEN NARROLINE WINDOW
Typical Installations



The design and construction of the NARROLINE Window make it ideal for all Double Hung Window requirements in both single and multiple openings and any type of wall construction.



Above, Left, and Right—
 Note how the narrow mullions and graceful exterior mouldings improve the appearance of typical double hung multiple windows from the outside.

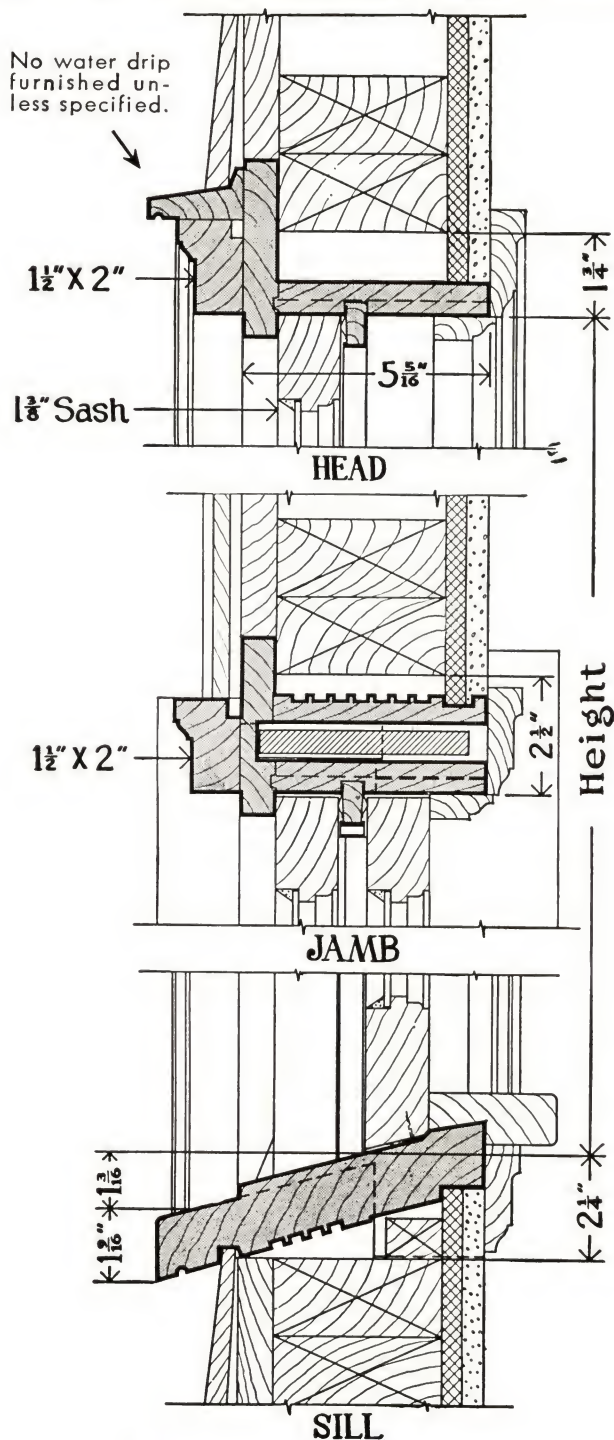


Dependability — both in operation and weathertightness—and simplicity of design make ANDERSEN NARROLINE Windows particularly suited to public buildings as illustrated at the left.

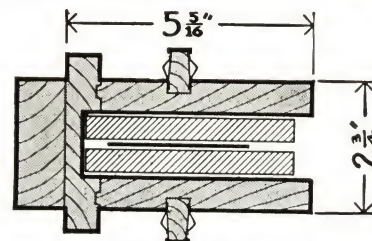
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ANDERSEN NARROLINE WINDOW

Double Hung Master Frame No. 600



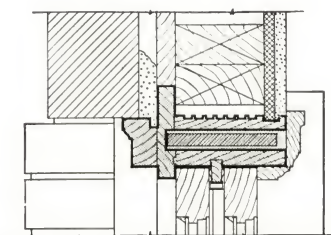
SCALE—Three Inches Equal One Foot
Patents Nos. 1,735,559,-1,879,005,-Re 16,594,-Re 17,552



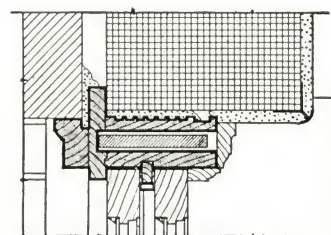
MULLION

NOTES

1. Water drip No. 923 shown on head brick moulding furnished only when specified.
2. Andersen Weatherstrip for complete opening, including bronze strip for check rail and bottom rail furnished as standard equipment.
3. Special weights and sash chain cut to correct length with fasteners furnished for each opening.
4. Exterior moulding No. 908, shown on detail, is standard on all frames. Any other Andersen brick moulding or casing furnished on special order.
5. Available in all standard sash opening sizes.
6. The Standard detail No. 600 can be used in any type of wall construction.



Detail ⅛ size showing frame No. 600 in brick veneer wall. Moulding 1½" thick permits adequate space between brick and sheathing with same jamb width.



Same frame in masonry wall with plaster reveal finish. Extension jamb and casing trim may be used in the regular way.

ANDERSEN NARROLINE WINDOW

Double Hung Master Frame No. 600

STANDARD SIZES—FRAME NO. 600 FOR 13/8" SASH
Standard Sash Wood Allowance—Width 4 inches, Height 6 inches

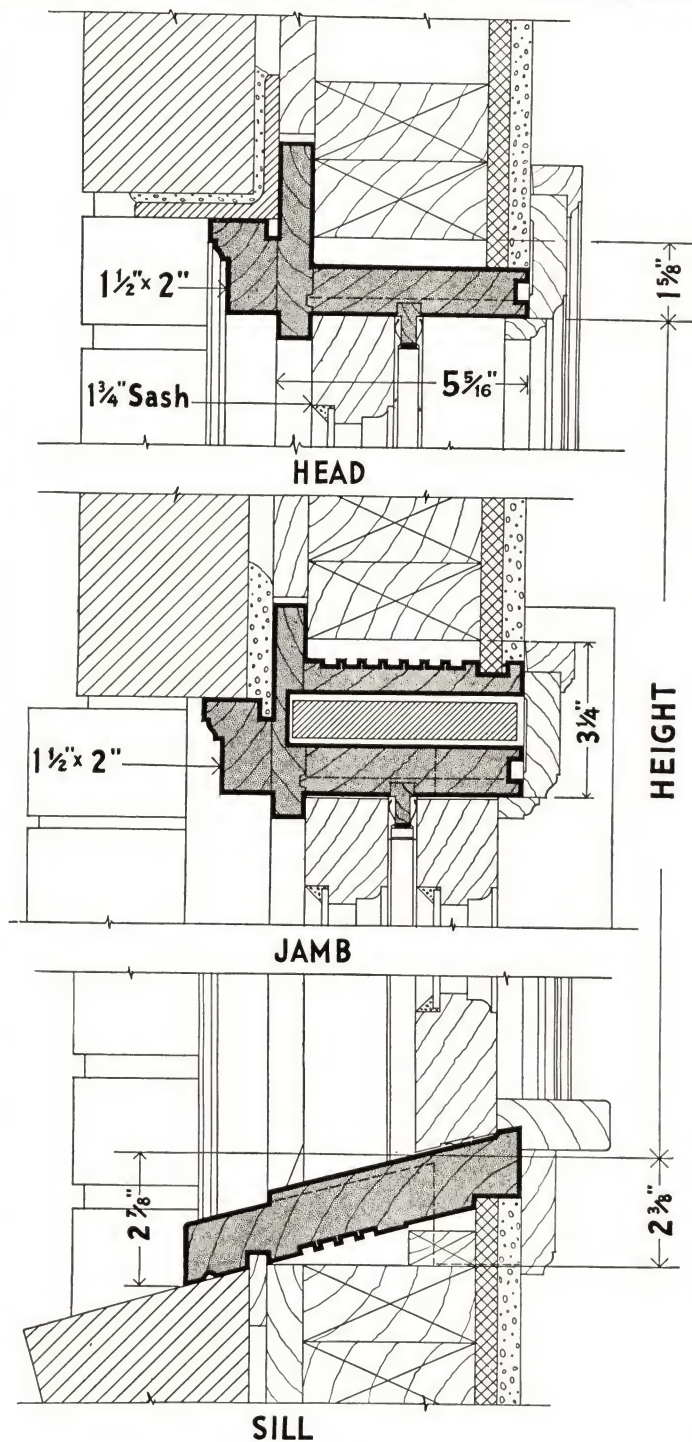
GLASS SIZE		WIDTHS						HEIGHTS			
		ROUGH STUDDING OPENING			MASONRY OR BRICK OPENING			GLASS SIZE	SASH OPENING	ROUGH STUDDING OPENING	MASONRY OR BRICK OPENING
		Single	Mullion (2 3/4" Wide)	Triple	Single	Mullion	Triple				
12" 2 Lt	1'-4"	1'-9"	3'-4"	4'-11"	1'-8"	3'-2 3/4"	4'-9 1/2"	12" 2 Lt	2'-6"	2'-10"	2'-10 3/4"
14" 2 Lt	1'-6"	1'-11"	3'-8"	5'-5"	1'-10"	3'-6 3/4"	5'-3 1/2"	14" 2 Lt	2'-10"	3'-2"	3'-2 3/4"
16" 2 Lt	1'-8"	2'-1"	4'-0"	5'-11"	2'-0"	3'-10 3/4"	5'-9 1/2"	15" 2 Lt	3'-0"	3'-4"	3'-4 3/4"
18" 2 Lt	1'-10"	2'-3"	4'-4"	6'-5"	2'-2"	4'-2 3/4"	6'-3 1/2"	16" 2 Lt	3'-2"	3'-6"	3'-6 3/4"
20" 2 Lt	2'-0"	2'-5"	4'-8"	6'-11"	2'-4"	4'-6 3/4"	6'-9 1/2"	18" 2 Lt	3'-6"	3'-10"	3'-10 3/4"
10" 4 Lt	2'-1"	2'-6"	4'-10"	7'-2"	2'-5"	4'-8 3/4"	7'-0 1/2"	20" 2 Lt	3'-10"	4'-2"	4'-2 3/4"
22" 2 Lt	2'-2"	2'-7"	5'-0"	7'-5"	2'-6"	4'-10 3/4"	7'-3 1/2"	21" 2 Lt	4'-0"	4'-4"	4'-4 3/4"
24" 2 Lt	2'-4"	2'-9"	5'-4"	7'-11"	2'-8"	5'-2 3/4"	7'-9 1/2"	22" 2 Lt	4'-2"	4'-6"	4'-6 3/4"
12" 4 Lt	2'-5"	2'-10"	5'-6"	8'-2"	2'-9"	5'-4 3/4"	8'-0 1/2"	24" 2 Lt	4'-6"	4'-10"	4'-10 3/4"
26" 2 Lt	2'-6"	2'-11"	5'-8"	8'-5"	2'-10"	5'-6 3/4"	8'-3 1/2"	26" 2 Lt	4'-10"	5'-2"	5'-2 3/4"
27" 2 Lt	2'-7"	3'-0"	5'-10"	8'-8"	2'-11"	5'-8 3/4"	8'-6 1/2"	28" 2 Lt	5'-2"	5'-6"	5'-6 3/4"
28" 2 Lt	2'-8"	3'-1"	6'-0"	8'-11"	3'-0"	5'-10 3/4"	8'-9 1/2"	30" 2 Lt	5'-6"	5'-10"	5'-10 3/4"
14" 4 Lt	2'-9"	3'-2"	6'-2"	9'-2"	3'-1"	6'-0 3/4"	9'-0 1/2"	32" 2 Lt	5'-10"	6'-2"	6'-2 3/4"
30" 2 Lt	2'-10"	3'-3"	6'-4"	9'-5"	3'-2"	6'-2 3/4"	9'-3 1/2"	34" 2 Lt	6'-2"	6'-6"	6'-6 3/4"
32" 2 Lt	3'-0"	3'-5"	6'-8"	9'-11"	3'-4"	6'-6 3/4"	9'-9 1/2"	36" 2 Lt	6'-6"	6'-10"	6'-10 3/4"
34" 2 Lt	3'-2"	3'-7"	7'-0"	10'-5"	3'-6"	6'-10 3/4"	10'-3 1/2"	38" 2 Lt	6'-10"	7'-2"	7'-2 3/4"
36" 2 Lt	3'-4"	3'-9"	7'-4"	10'-11"	3'-8"	7'-2 3/4"	10'-9 1/2"	40" 2 Lt	7'-2"	7'-6"	7'-6 3/4"
38" 2 Lt	3'-6"	3'-11"	7'-8"	11'-5"	3'-10"	7'-6 3/4"	11'-3 1/2"	SHEATHING NOTE —If sheathing is applied before setting the frames, be sure to allow for the WEATHERTIGHT WIDE BLIND STOP. Set sheathing back at least one inch from the edge of the studding at the sides, two inches above the face of the header at the top and flush with the plate at the bottom. See detail on opposite page.			
40" 2 Lt	3'-8"	4'-1"	8'-0"	11'-11"	4'-0"	7'-10 3/4"	11'-9 1/2"				
42" 2 Lt	3'-10"	4'-3"	8'-4"	12'-5"	4'-2"	8'-2 3/4"	12'-3 1/2"				
44" 2 Lt	4'-0"	4'-5"	8'-8"	12'-11"	4'-4"	8'-6 3/4"	12'-9 1/2"				
48" 2 Lt	4'-4"	4'-9"	9'-4"	13'-11"	4'-8"	9'-2 3/4"	13'-9 1/2"				

NOTES

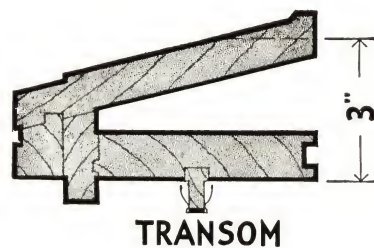
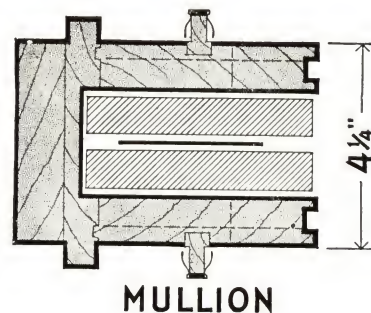
- Any width may be used with any height.
- Quadruple and quintuple units also furnished on order. Rough studding and masonry openings can be figured from above.
- Above sizes are the most popular and most commonly used. However, other sizes can be furnished on order.
- These are New York or Western opening sizes. Baltimore and Ohio opening sizes furnished on order.
- Frames for 1 3/4 inch sash furnished on special order.

ANDERSEN NARROLINE WINDOW

Double Hung Master Frame No. 634



SCALE—Three Inches Equal One Foot
 Patent Nos. 1,735,559,-1,879,005,-Re 16,594,-Re 17,552



NOTES

1. This standard unit is used in all types of frame or masonry wall construction and with any style of exterior or interior wall finish. Detail shows standard brick veneer construction.
2. Andersen Weatherstrip for complete opening, including bronze strip for check and bottom rail furnished as standard equipment.
3. Special weights and sash chain cut to correct length with fasteners furnished for each opening.
4. Exterior moulding No. 908 shown on detail is standard on all frames. Any other Andersen brick moulding or casing furnished on Special Order.
5. Water drip No. 923 to fit above head exterior moulding for frame wall construction furnished only when specified.
6. All parts are treated with Andersen Chemical Preservative and Moisture Repellent, same as Frame No. 600.
7. Available in all standard frame sizes.

ANDERSEN NARROLINE WINDOW

Double Hung Master Frame No. 634

STANDARD SIZES—FRAME NO. 634 FOR 1 $\frac{3}{4}$ " SASH

Standard Sash Wood Allowance—Width 4 inches, Height 6 inches

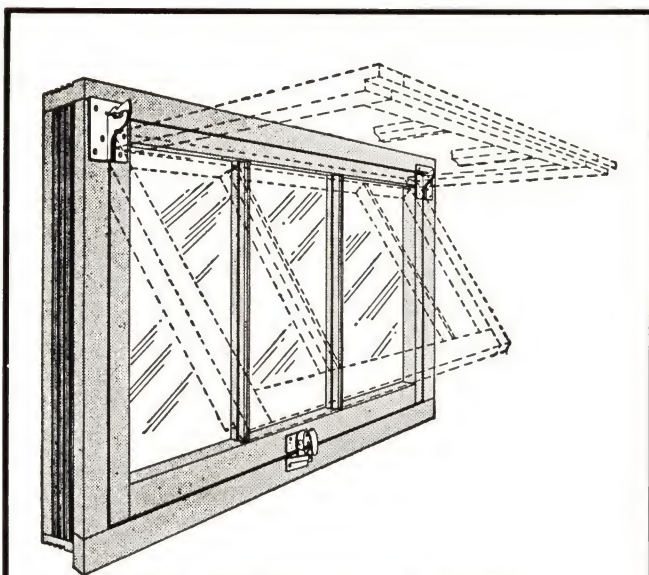
WIDTHS				HEIGHTS			
Glass Size	Sash Opening	Rough Studding Opening		Masonry or Brick Opening		Sash Opening	Rough Studding Opening
		Single	Mullion (4 $\frac{1}{4}$ " Mullion)	Triple	Mullion (4 $\frac{1}{4}$ " Mullion)		
12" 2 Lt	1'-4"	1'-10 $\frac{1}{2}$ "	3'-7"	5'-3 $\frac{1}{2}$ "	1'-8"	2'-6"	2'-10"
14" 2 Lt	1'-6"	2'-0 $\frac{1}{2}$ "	3'-11"	5'-9 $\frac{1}{2}$ "	1'-10"	2'-10"	3'-2"
16" 2 Lt	1'-8"	2'-2 $\frac{1}{2}$ "	4'-3"	6'-3 $\frac{1}{2}$ "	2'-0"	3'-2"	3'-6"
18" 2 Lt	1'-10"	2'-4 $\frac{1}{2}$ "	4'-7"	6'-9 $\frac{1}{2}$ "	2'-2"	3'-6"	3'-10"
20" 2 Lt	2'-0"	2'-6 $\frac{1}{2}$ "	4'-11"	7'-3 $\frac{1}{2}$ "	2'-4"	3'-10"	4'-2"
22" 2 Lt	2'-2"	2'-8 $\frac{1}{2}$ "	5'-3"	7'-9 $\frac{1}{2}$ "	2'-6"	4'-2"	4'-6"
24" 2 Lt	2'-4"	2'-10 $\frac{1}{2}$ "	5'-7"	8'-3 $\frac{1}{2}$ "	2'-8"	4'-6"	4'-10"
26" 2 Lt	2'-6"	3'-0 $\frac{1}{2}$ "	5'-11"	8'-9 $\frac{1}{2}$ "	2'-10"	4'-10"	5'-2"
28" 2 Lt	2'-8"	3'-2 $\frac{1}{2}$ "	6'-3"	9'-3 $\frac{1}{2}$ "	3'-0"	5'-2"	5'-6"
30" 2 Lt	2'-10"	3'-4 $\frac{1}{2}$ "	6'-7"	9'-9 $\frac{1}{2}$ "	3'-2"	5'-6"	5'-10"
32" 2 Lt	3'-0"	3'-6 $\frac{1}{2}$ "	6'-11"	10'-3 $\frac{1}{2}$ "	3'-4"	5'-10"	6'-2"
34" 2 Lt	3'-2"	3'-8 $\frac{1}{2}$ "	7'-3"	10'-9 $\frac{1}{2}$ "	3'-6"	6'-2"	6'-6"
36" 2 Lt	3'-4"	3'-10 $\frac{1}{2}$ "	7'-7"	11'-3 $\frac{1}{2}$ "	3'-8"	6'-6"	6'-10"
38" 2 Lt	3'-6"	4'-0 $\frac{1}{2}$ "	7'-11"	11'-9 $\frac{1}{2}$ "	3'-10"	6'-10"	7'-2"
40" 2 Lt	3'-8"	4'-2 $\frac{1}{2}$ "	8'-3"	12'-3 $\frac{1}{2}$ "	4'-0"	7'-2"	7'-6"
42" 2 Lt	3'-10"	4'-4 $\frac{1}{2}$ "	8'-7"	12'-9 $\frac{1}{2}$ "	4'-2"	7'-6"	7'-10"
44" 2 Lt	4'-0"	4'-6 $\frac{1}{2}$ "	8'-11"	13'-3 $\frac{1}{2}$ "	4'-4"	7'-10"	8'-2"
46" 2 Lt	4'-2"	4'-8 $\frac{1}{2}$ "	9'-3"	13'-9 $\frac{1}{2}$ "	4'-6"	8'-2"	8'-6"
48" 2 Lt	4'-4"	4'-10 $\frac{1}{2}$ "	9'-7"	14'-3 $\frac{1}{2}$ "	4'-8"	8'-6"	8'-10"

SHEATHING NOTE—If sheathing is applied before setting the frames, be sure to allow for the WEATHERTIGHT WIDE BLIND STOP. Set sheathing back at least one inch from the edge of the studding at the sides, two inches above the face of the header at the top and flush with the plate at the bottom. See detail on opposite page.

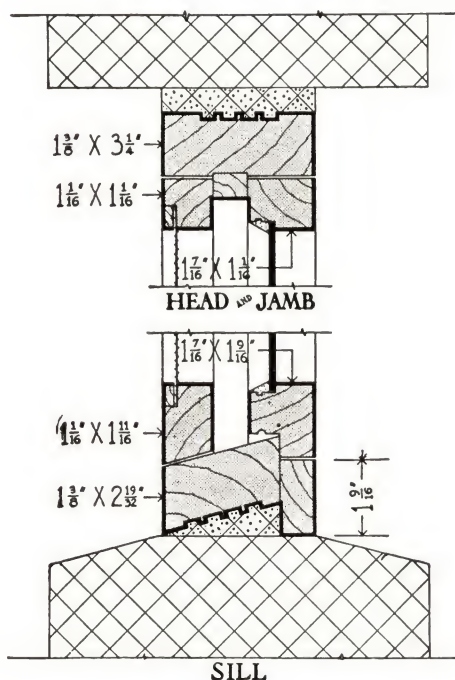
- NOTES**—1. Any width may be used with any height.
 2. Quadruple and quintuple units furnished on order.
 3. Above sizes are most commonly used. Other sizes furnished on order.

ANDERSEN BASEMENT WINDOW

A Complete Unit Including FRAME • SASH • HARDWARE • SCREEN



FROM THE INSIDE—Note two open positions in which sash is automatically held. Sash is easily removed when open by simply lifting it out of the frame. The strong lock holds the sash tightly in the closed position.



Scale—Three Inches Equal One Foot.
Patent No. 1,879,005

FRAME—Manufactured of Clear Pine. The design of the frame makes it suitable for any wall. Mortar clinch grooves anchor the frame and eliminate leaking of water, dust, and air around the frame. The frame is set up and all hardware is applied at the factory.

SASH—Glazed and Factory Fitted. Stiles and Rails are designed for sturdiness and to give maximum light. Bottom rail is rabbetted to make watertight joint between sash and sill. The sash is hung in frame at factory.

SCREEN—Factory Fitted, 16 mesh Bronze Screen Cloth. Installed in frame at factory.

HARDWARE—Hinges automatically hold sash securely in two open positions without rattling. Cam lock closes sash tightly; also automatically ejects it for easy opening. Special inside screen fasteners can also be used for storm sash. All hardware parts are cadmium plated.

TERMITE AND DECAY PROTECTION—All wood parts of frame, sash, and screen are protected against decay, termites, and moisture absorption with a chemical preservative with the addition of a water repellent compound the same as the Casement and Narroline Units.

The treatment used is that fully described on page 1 under the heading "Treated Wood." The wood is not discolored and any customary finish can be applied over it.

The toxic agent in the preservative gives positive protection against termites and a high resistance to decay, and the water repellent compound protects against moisture during construction.

PACKING—The complete assembled unit is shipped in a carton with double protection for the glass.

STANDARD SIZES

Glass Sizes	No. of Lights	Masonry Opening Size
8x12 in.	Two Light	1'- 9" x 1'- 5 3/8"
10x12 in.	Two Light	2'- 1" x 1'- 5 3/8"
10x16 in.	Two Light	2'- 1" x 1'- 9 3/8"
12x16 in.	Two Light	2'- 5" x 1'- 9 3/8"
12x18 in.	Two Light	2'- 5" x 1'-11 3/8"
12x20 in.	Two Light	2'- 5" x 2'- 1 3/8"
8x10 in.	Three Light	2'- 5 1/4" x 1'- 3 3/8"
8x12 in.	Three Light	2'- 5 1/4" x 1'- 5 3/8"
9x10 in.	Three Light	2'- 8 1/4" x 1'- 3 3/8"
9x12 in.	Three Light	2'- 8 1/4" x 1'- 5 3/8"
9x18 in.	Three Light	2'- 8 1/4" x 1'-11 3/8"
10x12 in.	Three Light	2'-11 1/4" x 1'- 5 3/8"
10x14 in.	Three Light	2'-11 1/4" x 1'- 7 3/8"
10x16 in.	Three Light	2'-11 1/4" x 1'- 9 3/8"
10x18 in.	Three Light	2'-11 1/4" x 1'-11 3/8"
10x20 in.	Three Light	2'-11 1/4" x 2'- 1 3/8"
12x18 in.	Three Light	3'- 5 1/4" x 1'-11 3/8"

ANDERSEN WINDOW UNITS

Suggested Specifications

Note: Words or clauses in italic type within brackets are selective. Choose and include that which applies.

ANDERSEN CASEMENT
WINDOWS

All casement windows shall be standard Andersen Casement Windows manufactured by Andersen Corporation, Bayport, Minnesota. Each shall include the following:

- (a) All wood parts shall be given the Andersen Chemical Preservative and Moisture Proofing Treatment.
- (b) Frame with (*standard* $1\frac{3}{8}$ in. x $1\frac{1}{8}$ in.) (*special detail*) exterior casings.
- (c) Sash with (*aluminum*) (*wood*) muntin bars glazed with (*SSA*) (*DSA*) glass.
- (d) Complete bronze weatherstripping, factory applied.
- (e) Complete hardware for out-swinging sash, including (*worm gear*) (*bar*) type sash operator.
- (f) Screen, (*aluminum frame with 16 mesh aluminum wire cloth*) (*wood frame with 16 mesh bronze wire cloth*) for all swinging sash.
- (g) Inside stops (*and mullion*) (*and transom bar*) (*inside casings*) of (*clear Pine*) (*specify other wood*).
- (h) Removable Double Glazing for all sash.
- (i) These casements shall be assembled before delivery to the job with frame set up, sash hung (*removable double glazing installed in sash*), and all hardware applied, except metal sockets for screen bolts. Inside stops and (*mullion center*)(*and*)(*transom bar*) casings, and screens shall be delivered separately to be applied by the carpentry contractor after plastering or other inside wall finish is complete.

ANDERSEN BASEMENT
WINDOWS

All basement windows shall be standard Andersen Basement Window units as manufactured by Andersen Corporation, Bayport, Minnesota. Each shall include the following:

- (a) All wood parts shall be given the Andersen Chemical Preservative and Moisture Proofing Treatment.
- (b) Frame; sash glazed with SSB glass; screen with 16 mesh bronze wire cloth; complete hardware.

- (c) Units shall be completely factory assembled with sash and screen fitted into set-up frame and all hardware applied.

ANDERSEN NARROLINE
DOUBLE HUNG WINDOW
FRAMES

All double hung window frames shall be Andersen NARROLINE Frames (*No. 600 for $1\frac{3}{8}$ in. sash*) (*No. 634 for $1\frac{3}{4}$ in. sash*) manufactured by Andersen Corporation, Bayport, Minnesota. Each shall include the following:

- (a) All wood parts shall be given the Andersen Chemical Preservative and Moisture Proofing Treatment.
- (b) Frame with (*standard* $1\frac{1}{16}$ in. x 2 in.) (*with water drip*) (*special design*) exterior casings.
- (c) Complete Andersen Weatherstrips.
- (d) Flat type cast iron sash weights with wood bushed pulley wheel, Special Andersen Noiseless Sash Pulleys, Copper finished steel sash chain, cut to length, with fasteners.

Note: *The NARROLINE is made for stock windows, screens, and storm sash of standard design and construction. These can be furnished prefitted and with check rail and bottom rail weatherstrips applied or they can be taken from stock and fitted on the job in the usual way. If prefitting is desired, the following should be added to the customary specifications for these items:*

- (e) Windows, screens, and storm sash shall be furnished prefitted in accordance with Andersen specifications.
- (f) Double-hung sash shall have Andersen Bronze Weatherstrips applied to check and bottom rails.
If complete assembly before delivery to the job is desired, include the following.
- (g) Units shall be furnished with frames set up, complete with prefitted double-hung sash hung with chains and weights with sash and weights blocked in place before delivery to the job in accordance with the manufacturers' instructions.

Andersen

COMPLETE • WINDOW • UNITS



CASEMENT
WINDOWS

•

NARROLINE
DOUBLE HUNG
WINDOWS

•

BASEMENT
WINDOWS

•

Andersen

CORPORATION
BAYPORT, MINN.